MATES Computer Science

Senior Capstone Project Bi-Weekly Progress Report

Project Title	Bookish
Team Members	Malia Porter & Caleigh Wlazlowski
Dates Covered by Report	2/12/24 - 2/23/24
Link to Github	https://github.com/caleighwlaz/Bookish

1. **Summary of Project**

Our project is to create a website for readers to track their reading history, view book and user leaderboards, and possibly get recommendations. The site will allow readers to set goals to reach and add books to their reading list. Users will also be able to keep track of their reading activity and discover new books to read. Through the front-end (Malia), HTML, CSS, and JavaScript will be used to create the website and the design elements. Through the back-end (Caleigh), Python, JavaScript, and MySQL will be used to calculate statistics for each user (such as average pages per book and average pages read per week), manage databases, and allow users to search for books on the website and add them to their lists. The concept of our website is similar to Goodreads with additional features such as book and user leaderboards.

2. **Summary of Progress this Period**

We completed multiple Codecademy courses to learn HTML, CSS, JavaScript, Django, front-end development, and back-end development. We designed the homepage for the website in Google Drawings and created a logo. We found two datasets to use and started cleaning the data. We finished the HTML for the homepage and started working on the CSS.

3. **Detailed Progress this Period, separated by Team Member**

Malia	Caleigh
● completed half of the Codecademy “Build a Website with HTML, CSS, and GitHub Pages” skill path ○ “Beginner HTML” ○ “Beginner CSS” ○ “How to Build Websites on Your Own Computer” ○ “Intermediate CSS: Colors and Typography” ● helped design the homepage in Google Drawings ● created website logo ● finished the HTML for the homepage (except the links don’t go anywhere yet) ● started working on the CSS for the homepage	● completed multiple Codecademy courses to teach myself back-end: ○ finished “Learn HTML” course ○ mostly completed “Learn CSS” course (I skipped a project or two) ○ completed “Learn JavaScript: Fundamentals” course ○ started to work on Github courses as well as SQL courses ○ started “Build a website with HTML, CSS, and Github Pages” skill path ○ started “Back-End Engineer” career path ● two datasets were found on Kaggle and used so far ● Dataset #1: ○ columns: bookID (will not be used on website but is currently used for organizing the dataset), title, author(s), isbn, isbn13, language_code, num_pages, publication date, and publisher ■ I removed excess columns beforehand ○ cut off languages that were not English because it would be a hassle to fix all of the accent marks - most of the dataset was in English anyways ○ left with 10,545 rows ○ fixed most of the accent marks that would not properly upload to Excel ● Dataset #2: ○ columns: ISBN, Book-Title, Book-Author, Year-Of-Publication, Publisher, Image-URL-S, Image-URL-M, Image-URL-L ○ 271,379 rows ○ manually added a few values for rows with only isbn and title values, then realized that there were approximately 30,000 rows

	like this - will probably delete these extra rows later on

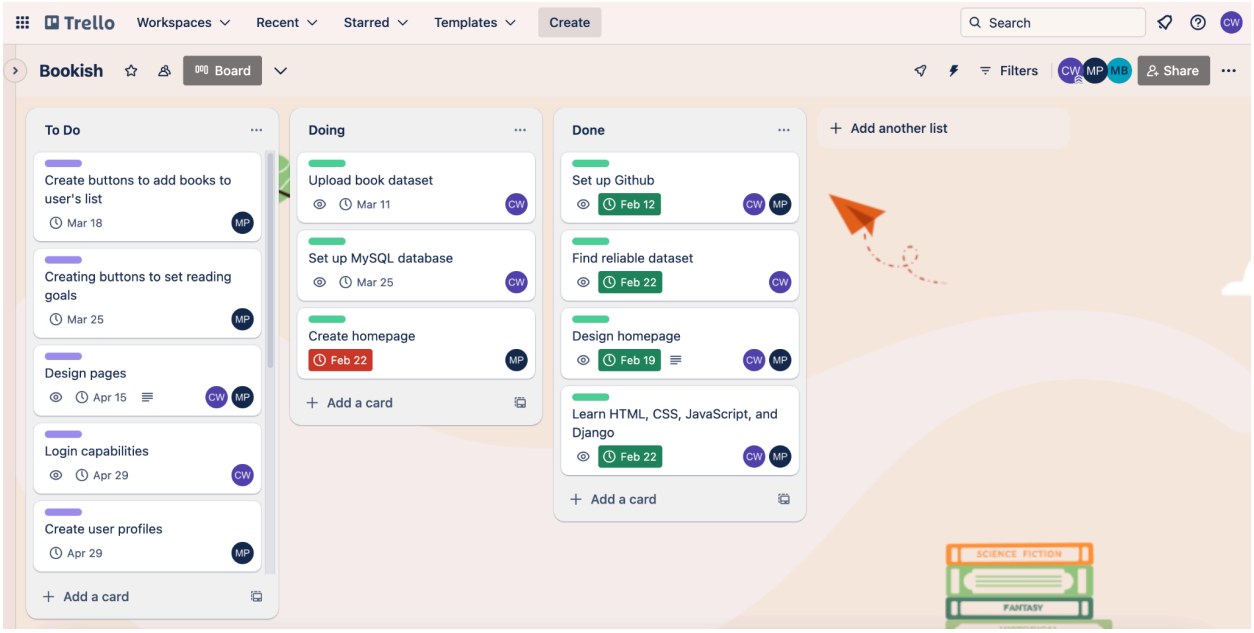
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bookish</title>

  <!-- Meta -->
  <meta name="keywords" content="books, reading, readers">
  <meta name="description" content="Web Application for Readers to Track Their Reading Process">
  <meta name="author" content="Caleigh Wlazlowski, Malia Porter">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <!-- Fonts -->
  <link rel="preconnect" href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <link href="https://fonts.googleapis.com/css2?family=Roboto+Mono:ital,wght@0,100..700;1,100..700&display=swap" rel="stylesheet">

  <!-- CSS -->
  <link rel='stylesheet' type='text/css' href='index.css'>
</head>
<body>
  <header role="banner">
    <img src="bookish-logo.png" alt="Bookish Logo" id="logo">
    <nav role="navigation">
      <a href="index.html">home</a>
      <a href="#">top books</a>
      <a href="#">top users</a>
      <a href="#">creators</a>
    </nav>
    <a href="#">
      <button>sign up</button>
    </a>
    <a href="#">
      <button>log in</button>
    </a>
  </header>
  <div id="intro">
    <h1>Effortlessly <span class="purple-text">Monitor</span> Your <span class="blue-text">Literary Adventures</span>
    and <span class="purple-text">Discover</span> New Favorites</h1>
    <p>Bookish offers a seamless platform for bibliophiles to meticulously record their reading escapades,
    from beloved classics to the latest bestsellers. Dive into personalized statistics, insightful recommendations,
    and community leaderboards, enriching your reading experience like never before.
    Join us in celebrating the joy of reading and embark on a journey of literary exploration today!</p>
    <a href="#">
      <button>sign up</button>
    </a>
    <a href="#">
      <button>log in</button>
    </a>
  </div>
</body>
</html>
```

```css
* {
    box-sizing: border-box;
}

body {
  font-family: "Roboto Mono", monospace;
  font-optical-sizing: auto;
  font-weight: 400;
  font-style: normal;
  background-color: hsl(22, 67%, 90%);
}

header {
    background-color: hsl(27, 51%, 75%);
    position: fixed;
    top: 0px;
    left: 0px;
    right: 0px;
    width: 100%;
    height: 100px;
}

#logo {
    height: 100px;
}

a {
    color: hsl(262, 100%, 0%);
    text-decoration: none;
    padding: 10px;
    top: 50px;
}

button {
    background-color: hsl(188, 51%, 75%);
    border: transparent;
    font-family: "Roboto Mono", monospace;
    border-radius: 5px;
}

#intro {
    background-color: hsl(27, 51%, 75%);
    position: relative;
    top: 150px;
}

.purple-text {
    color: hsl(262, 44%, 66%);
}

.blue-text {
    color: hsl(188, 51%, 75%);
}
```

4. **Difficulties Encountered this Progress Period**

Malia	Caleigh
● first time coding in HTML, so I had to keep looking up which tags to use ● had to code with accessibility in mind ● the courses I completed on Codecademy didn't include CSS grids, so I found a course about grids so I can complete the homepage (and future pages)	● searched for book databases to use ○ ended up not being helpful because it would be difficult to upload an entire database to our website ● changed over to looking for book datasets because they are much easier to upload ● however, updating the dataset with newer books might be an issue later on ● Dataset #2 (continued): ○ dataset came as a CSV - meaning that the whole dataset was in one column and the values were separated by semicolons ○ did 30 rows by hand before I realized the "Text to Columns" button ○ re-organized the whole dataset after discovering this button and had to undo my 30 rows in order for it to work

5. Updated Trello Board and Discussion



"Set up Github" was moved to **Done** because the Github was set up prior to Sprint 1. All tasks below are completed or worked on during Sprint 1. "Find reliable dataset" was moved to **Done** because Caleigh found a couple of reliable datasets to use for the website. "Design homepage" was moved to **Done** because we designed a home page through Google drawings as a layout. "Learn HTML, CSS, JavaScript, and Django" was moved to **Done** because we have learned the majority of the languages we need in order to complete our website. "Upload book dataset" and "Set up MySQL database" were moved to **Doing** because those are Caleigh's goals to work on during Sprint 2. "Create homepage" is in **Doing** because Malia is currently working on it.

6. Tasks to Be Worked on in Next Progress Period

Malia	Caleigh

• complete Codecademy course "Learn CSS: Flexbox and Grid" and finish index.css (will be finished by Monday))
• design and create login and sign up pages
• design and create creators page
• learn JavaScript
	• continue Codecademy courses:
	  ○ "Build a website with HTML, CSS, and Github Pages" skill path
	  ○ "Back-End Engineer" career path
	• merge two datasets into one using v-lookup or x-lookup
	• pick one of the three URL columns (because three is excessive)
	• fill in missing values in both datasets or delete some rows
	• add in most URLs for books (Dataset #1 doesn't have them; in order to test stuff

	on the website - may add the rest of the links later on) ● attempt to upload book dataset ● attempt to set up MySQL database

7. **Additional Information**